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## ABSTRACT OF THE INVENTION

A refrigerant cycling device is provided, wherein a compressor comprises an electric motor element, a first and a second rotary compression elements in a sealed container. The first and the second rotary compression elements are driven by the electric motor element. The refrigerant compressed and discharged by the first rotary compression element is compressed by absorbing into the second rotary compression element, and is discharged to the gas cooler. The refrigerant cycling device comprises an intermediate cooling loop for radiating heat of the refrigerant discharged from the first rotary compression element by using the gas cooler; a first internal heat exchanger, for exchanging heat between the refrigerant coming out of the gas cooler from the second rotary compression element and the refrigerant coming out of the evaporator; and a second internal heat exchanger, for exchanging heat between the refrigerant coming out of the gas cooler from the intermediate cooling loop and the refrigerant coming out of the first internal heat exchanger from the evaporator.